

Project Title	Funding	Strategic Plan Objective	Institution
Atypical pupillary light reflex in individuals with autism	\$0	Q1.Other	University of Missouri
ACE Center: Auditory mechanisms of social engagement	\$273,542	Q1.Other	Yale University
Connectivity in social brain systems in autism	\$255,300	Q1.Other	Yale University
Emotion-modulated psychophysiology of autism spectrum disorders	\$156,781	Q1.Other	University of North Carolina at Chapel Hill
Eyeblink in children and adolescents with autism spectrum disorders: A pilot study	\$192,500	Q1.Other	Drexel University
Visual processing and later cognitive effects in infants with fragile X syndrome	\$247,125	Q1.Other	University of California, Davis
The development of selective attention in infancy as measured by eye movements	\$53,376	Q1.Other	York University
INT2-Large: Collaborative research: Developing social robots	\$87,500	Q1.Other	University of Miami
INT2-Large: Collaborative research: Developing social robots	\$530,000	Q1.Other	University of California, San Diego
Neural processes of eye gaze perception and its influence on learning in infancy	\$54,416	Q1.Other	Hunter College (City University of New York)
Social and statistical mechanisms of prelinguistic vocal development	\$87,965	Q1.Other	Cornell University
How words and sounds influence category formation in infancy	\$129,865	Q1.Other	Northwestern University
Defining high and low risk expression of emotion in infants at risk for autism	\$0	Q1.L.A	University of Pittsburgh
Observational and electrophysiological assessments of temperament in infants at risk for autism spectrum disorders	\$0	Q1.L.A	University of Washington
Baby Siblings Research Consortium	\$111,700	Q1.S.B	Autism Speaks (AS)
Novel methods for testing language comprehension in children with ASD	\$82,537	Q1.S.B	Boston University
Biomarkers and diagnostics for ASD	\$149,600	Q1.S.A	Institute of Biotechnology
Cognitive control and social engagement among younger siblings of children with autism	\$0	Q1.L.C	University of Miami
Video game environments for the integrative study of perception, attention and social cognition in autism and autism sibs	\$0	Q1.L.B	Cornell University
Neurophysiological indices of risk and outcome in autism	\$51,300	Q1.L.A	University of Washington
Neurophysiological investigation of language acquisition in infants at risk for ASD	\$28,000	Q1.L.A	Boston University
Temporal coordination of social communicative behaviors in infant siblings of children with autism	\$28,000	Q1.L.A	University of Pittsburgh
Temperament, emotional expression, and emotional self-regulation in relation to later ASD diagnosis	\$0	Q1.L.A	Bryn Mawr College

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Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	\$0	Q1.L.C	Johns Hopkins University
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Biomarkers for autism and for gastrointestinal and sleep problems in autism	\$0	Q1.L.A	Yale University
Identification of lipid biomarkers for autism	\$0	Q1.L.A	Massachusetts General Hospital
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	\$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
Placental vascular tree as biomarker of autism/ASD risk	\$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Early detection of autism through acoustic analysis of cry	\$260,153	Q1.S.B	Women and Infants Hospital of Rhode Island
Early language development within the autism spectrum (supplement)	\$27,942	Q1.L.C	University of Wisconsin - Madison
Intersensory perception of social events: Typical and atypical development	\$133,861	Q1.L.C	Florida International University
Developmental social neuroscience in infants at-risk for autism	\$180,659	Q1.L.C	Yale University
Early language development within the autism spectrum	\$508,490	Q1.L.C	University of Wisconsin - Madison
Social communication phenotype of ASD in the second year	\$249,084	Q1.L.C	Florida State University
The development of joint attention after infancy	\$303,992	Q1.L.C	Georgia State University
Early language development within the autism spectrum (supplement)	\$33,417	Q1.L.C	University of Wisconsin - Madison
Social-emotional development of infants at risk for autism spectrum disorders	\$604,960	Q1.L.B	University of Washington
Performance indices of social disability in toddlers with autism (supplement)	\$121,484	Q1.L.B	Yale University
Development of face processing in infants with autism spectrum disorders	\$413,750	Q1.L.B	Yale University
Perceptual factors affecting social attention in autism spectrum disorders	\$82,750	Q1.L.B	Yale University
Performance indices of social disability in toddlers with autism	\$495,558	Q1.L.B	Yale University
Emotion, communication, & EEG: Development & risk	\$295,172	Q1.L.B	University of Miami
ACE Center: Early detection and intervention in infants at risk for autism	\$620,446	Q1.L.B	University of Washington
ACE Center: Eye-tracking studies of social engagement	\$304,508	Q1.L.B	Yale University

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ACE Center: The development of the siblings of children with autism: A longitudinal study	\$324,955	Q1.L.B	University of California, Los Angeles
Extraction of functional subnetworks in autism using multimodal MRI	\$384,865	Q1.L.B	Yale University
Cellular structure of the amygdala in autism	\$47,606	Q1.L.B	University of California, Davis
Magnetic source imaging and sensory behavioral characterization in autism	\$176,229	Q1.L.B	University of California, San Francisco
Amygdala structure & biochemistry in adolescents with autism	\$40,073	Q1.L.B	University of Wisconsin - Madison
Analyses of brain structure and connectivity in young children with autism	\$90,000	Q1.L.B	University of California, Davis
Translational developmental neuroscience of autism	\$143,617	Q1.L.B	New York University School of Medicine
Neuroimaging of autism spectrum disorders	\$12,157	Q1.L.B	University of California, Los Angeles
Perception of social and physical contingencies in infants with ASD	\$413,750	Q1.L.B	Yale University
Early social and emotional development in toddlers at genetic risk for autism	\$373,244	Q1.L.A	University of Pittsburgh
Early identification of autism: A prospective study	\$519,453	Q1.L.A	University of Pittsburgh
Infants at risk of autism: A longitudinal study	\$599,598	Q1.L.A	University of California, Davis
Metabolic biomarkers of autism: Predictive potential and genetic susceptibility	\$351,076	Q1.L.A	Arkansas Children's Hospital Research Institute
Neurobehavioral research on infants at risk for SLI and autism	\$691,847	Q1.L.A	Boston University Medical Campus
Pupil size and circadian salivary variations in autism spectrum disorder	\$70,035	Q1.L.A	University of Kansas
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$275,152	Q1.L.A	University of California, San Diego
Validation study of atypical dynamic pupillary light reflex as a biomarker for autism	\$204,525	Q1.L.A	University of Missouri
ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	\$208,661	Q1.L.A	University of California, San Diego
The emergence of emotion regulation in children at-risk for autism spectrum disorder	\$49,537	Q1.L.A	University of Miami
ACE Center: MRI studies of early brain development in autism	\$364,247	Q1.L.A	University of California, San Diego
ACE Network: A longitudinal MRI study of infants at risk for autism	\$3,283,233	Q1.L.A	University of North Carolina at Chapel Hill
A longitudinal 3-D MRSI study of infants at high risk for autism	\$219,046	Q1.L.A	University of Washington
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$309,000	Q1.L.A	University of California, San Diego

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Development of neural pathways in infants at risk for autism spectrum disorders	\$325,029	Q1.L.A	University of California, San Diego
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	\$361,993	Q1.L.A	University of California, San Diego
ACE Center: Gaze perception abnormalities in infants with ASD	\$304,365	Q1.L.A	Yale University
Development of neural pathways in infants at risk for autism spectrum disorders (supplement)	\$244,282	Q1.L.A	University of California, San Diego
The ontogeny of social visual engagement in infants at risk for autism	\$600,325	Q1.L.A	Yale University
Developmental characteristics of MRI diffusion tensor pathway changes in autism	\$252,636	Q1.L.A	Washington University
ACE Center: Linguistic and social responses to speech in infants at risk for autism	\$304,817	Q1.L.A	University of Washington
Prospective study of infants at high risk for autism	\$292,249	Q1.L.A	Yale University
Prosodic and pragmatic processes in highly verbal children with autism	\$149,999	Q1.L.C	President & Fellows of Harvard College
Brain-behavior growth charts of altered social engagement in ASD infants	\$125,000	Q1.L.A	Yale University
Misregulation of BDNF in autism spectrum disorders	\$75,000	Q1.L.A	Weill Cornell Medical College
Model diagnostic lab for infants at risk for autism	\$599,992	Q1.L.A	Yale University
Oxytocin biology and the social deficits of autism spectrum disorders	\$112,500	Q1.L.A	Stanford University
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	\$439,163	Q1.L.A	Yale University
Signatures of gene expression in autism spectrum disorders	\$75,000	Q1.L.A	Children's Hospital Boston
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	\$135,000	Q1.L.A	University of North Carolina at Chapel Hill
RNA expression studies in autism spectrum disorders	\$250,000	Q1.L.A	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	\$378,751	Q1.L.A	Children's Hospital Boston

